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Pred. No. 0;
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/product="ATP sulfurylase/APS kinase 2"
/prodein_id="AAC40191.1"
/db_xref="G1:3342266"
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VKGLYKRARAGEIKGFTGIDSDYEKPETPECVLKTNLSSVSDCVQQVVELLQEQNIVP
HTTIKGIHELFVPENKVDQIRAEAETLPSLPITKLDLQWVQILSEGWATPLKGFMEK
EYLQTLHFDTLLDGVVPRDGVINMSIPIVLPVSADDKARLEGCSKFALMYEGRRVALL
QDPEFYEHRKEERCSRVWGTATAKHPHIKMVMESGDWLVGGDLQVLERIRWDDGLDQY
RLTPLELKQKCKDMNADAVFAFQLRNPVHNGHALLMQDTRRRLLERGYKHPVLLLHPL
GGWTKDDDVPLEWRMKQHAAVLEERVLDPKSTIVAIFPSPMLYAGFTEVQWHCRCRMI
AGANFYIVGRDPAGMPHPETKKDLYEPTHGGKVLSMAPGLTSVEIIPFRVAAYNKIKK
AMDFYDPARHEEFDFISGTRMRKLAREGEDPPDGFMAPKAWKVLTDYYRSLEKTN"
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131. .1996
/EC_number="2.7.7.4"
/EC_number="2.7.1.25"
/function="mediates two steps in sulfate activati transfer of a sulfate group to ATP by ATP sulfur yield adenosine 5'-phosphosulfate (APS), and the subsequent transfer of a phosphate group from ATP by APS kinase yielding ADP and 3'-phosphoadenosine-5'-phosphosulfate (PAPS)"
//octe="bifunctional enzyme"
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                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mu
1 (bases 1 to 1996)
Kurima, K., Warman, M.L., Krishnan, S., Domowicz, M., Krueg
Deyrup, A. and Schwartz, N.B.
A member of a family of sulfate-activating enzymes caus
brachymorphism
Proc. Natl. Acad. Sci. U.S.A. 95 (15), 8681-8685 (1998)
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Li, H., Deyrup, A., Mensch, J.R. Jr., Domowicz, m., nc...
and Schwartz, N.B.
The isolathon and characterization of cDNA encoding the mbifunctional ATP sulfurylase-adenosine 5'-phosphosulfate J. Biol. Chem 270 (49), 29453-29459 (1995)
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Sciurognathi; Muridae;
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/protein_id="AAC52328.1"
/db_xref="GI:1109676"
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PEDREENVRRIAEVAKLFADAGLVCITSFISPYTQDRNNARQIHEGASLPFFEVVDA
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